

## **ABSTRACT**

### **HAMMER**

A hand-held powered hammer comprising a hammer housing; a hammering mechanism; a spindle rotatably mounted within the housing; the spindle having a first mode of operation in which the spindle is rotatable within the housing and a second mode of operation in which the spindle is restrained from rotation; a first set of teeth rotatable with the spindle and selectably movable between a first position and a second position, corresponding to the second mode of operation of the spindle; a spindle lock arrangement mounted within the housing and comprising a spindle lock tooth engageable with the first set of teeth when the first set of teeth are in the second position, and a resilient synchronising element positioned to engage the first set of teeth before the first set of teeth reaches the second position, so as to align the first set of teeth for engagement with the spindle lock tooth.

.Figure 2.